## REMARKS

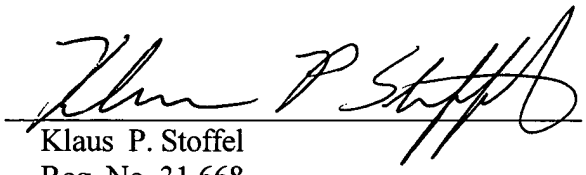
The present amendment is submitted prior to the issuance of a first Office Acton and simultaneously with the filing of the present application.

With this amendment applicants have amended the specification, cancelled claims 1 to 5 and added new claims 6 to 10, all in an effort to place the application in better condition for examination.

Favorable action on the present application is respectfully requested.

Any additional fees or charges required at this time in connection with the application may be charged to our Patent and Trademark Office Deposit Account No. 03-2412.

Respectfully submitted,
COHEN, PONTANI, LIEBERMAN & PAVANE

By: 

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In The Specification:

starting at line 21:

The object of the present invention is an interference analysis which provides in as simple and efficient a manner as possible for radio network planning in a mobile radio network comprising adaptive antennas in at least some radio cells. [The object is achieved by the subject matters of the independent claims.]

paragraphs starting at line 1:

Further features and advantages of the invention are obtained from the [subclaims and] subsequent description of an exemplary embodiment, referring to the drawing, in which:

Figure 1 shows the planning process for a conventional mobile radio network as a flowchart[,];

Figure 2 shows the definition of channel-dependent interference matrices for a conventional mobile radio network comprising traffic channels and control channels[,];

Figure 3 shows the modeling of an adaptive antenna by a number of highly directional antennas having in each case a different antenna pattern (beam) [,];

Figure 4 shows the different entries for the interference between two radio cells obtained on the basis of the modeling in [figure] Figure 3[,];

Figure 5 shows the calculation of the probability of interference between a cell having an adaptive antenna and a cell having a conventional antenna[,];

Figure 6 shows the calculation of the probability of interference between two radio cells having in each case an adaptive antenna[,];

Figure 7 shows the procedure in determining the channel-dependent matrices, taking into consideration adaptive antennas[,]; and